S M P
soldier
modernisation
programme

Ministry of Defence

The way to realize a Dutch Dismounted Soldier System

ISSC ’04, Boston

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Content

- SMP in general
  “a short introductio
- SMP long term
  “D2S2 and CIM”
- SMP projects
  “A choise”

Questions

Aim

To enhance the effectiveness and protection of the dismounted ~~combat soldier~~ soldier

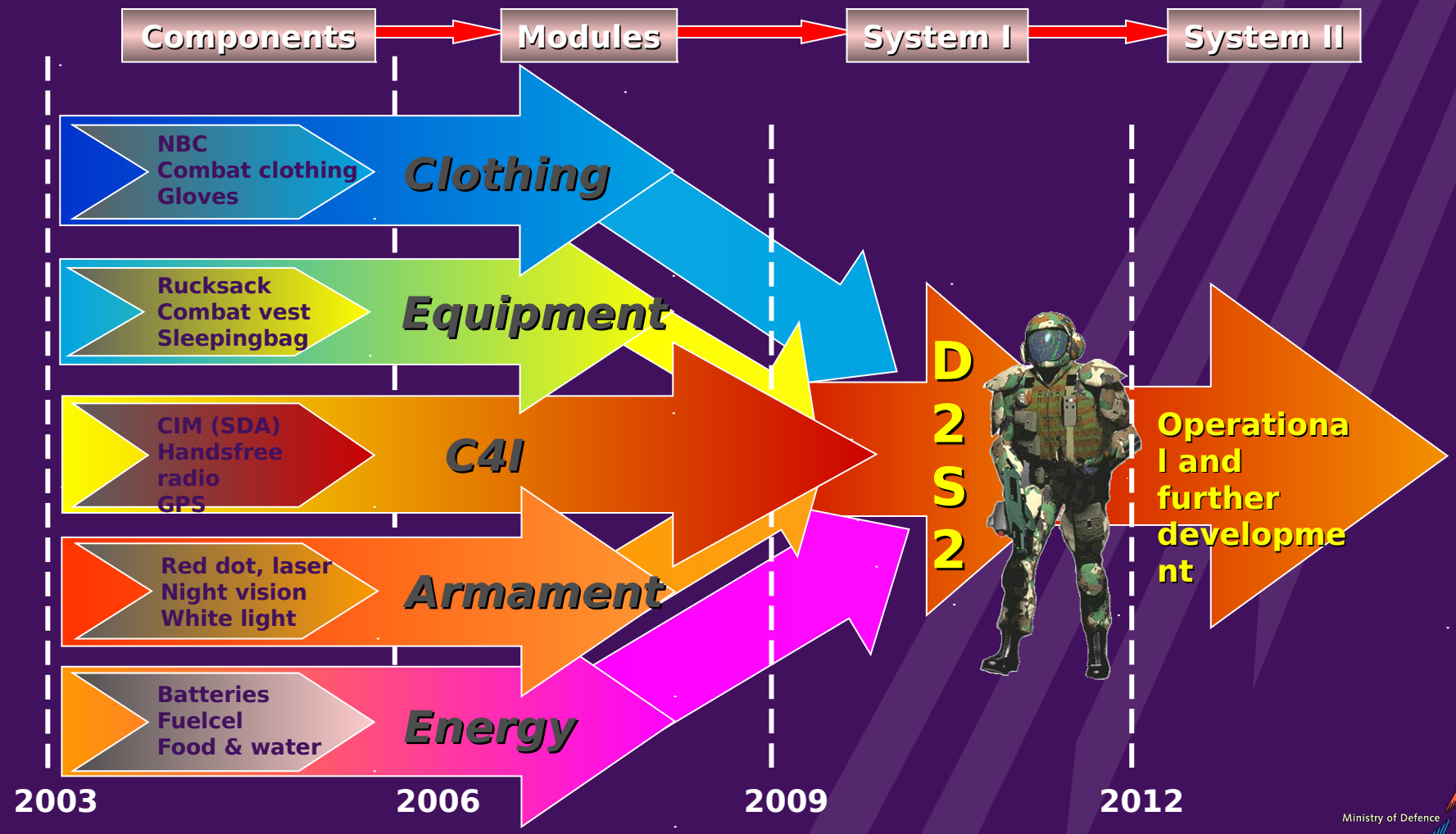
SMP in general - a short introduction

The NL SMP is:

- an Interservice programme with a large amount of different projects, different in time and in nature.
- **“Purple Programme”**

  2x LtCol RNLA, Projectleaders: 2x Major RNLA, 2x Major RNLMC and 1x Capt RNLAF
- Policy Paper currently staffed by MoD
- no end foreseen

Road to a Dutch Dismounted Soldier System



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SMP long term – CIM and D2S2

"Milestones"

2005 : 12 Prototype's **C**ommunicatie **I**nformatie **M**odule

2005 : Decision "Prime Contractor" and "System Integrator"

or buying other system COTS

2006 : First batch of approx. 500 CIM's

200? : Buying COTS existing Soldier System

2010 : First D2S2 operational

2010 - : Developing second version D2S2

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SMP project – CIM Prototype's

Milestones:

01 Nov 2004 : Contract signed with Thales Communications NL

April 2005 : 12 Prototypes **C**ommunication **I**nformation **M**odule

Personal Radio, GPS, digital compass, CDA / SDA, BMS software (CODEMA cooperation Thales, C2SC en TNO)

Summer 2006 : First batch of approx. 500 CIM's

CIM field trial integrated in large scale BMS field trial with 13 Digitised Brig

End 2006 : Decisions by MoD (or System Integrator?):

SMP project – CIM Prototype's

CIM has to answer the **four "W" questions**:

1. **W**here am I?
2. **W**here are my fellow soldiers?
3. **W**here is the opponent (or what is the problem) ?
4. **W**hat is the (new) plan?

Two different prototypes:

- Soldier CIM
- Commander (or Specialist) CIM

"Urgent Operational Requirements" (UOR)

We cannot wait until it is 2010 ……!!

In the meantime our soldiers in Iraq or Afghanistan have urgent operational requirements as well

Look around and follow a good example ……..

Rear Admiral Charles Style in British Parliament:

"The UOR process is to make sure we give our people the very best that technology or

“Urgent Operational Requirements” (UOR)

- DOB-team visits operational units
- Assist units in the preparation phase
- Fielding and testing equipment for a short period:
  - operator gloves
  - “smock jacket”
  - special underwear
  - personal camouflage net
  - protecting (sun)glasses
  - FIBUA clothing (FIBUA glove
    - knee- and elbow protection
      - ballistic protective goggle

SMP “short term”

But also larger (material) projects

Hands Free Radio

HFR-1

HFR-2

Infantry units

Multi Functional Radio Special Forces

Communication at soldiers level

CIM (SDA)
Handsfree radio
GPS

C4I

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Night Vision Programme

Phased approach
in order to make
the dismounted
part
of the
NL forces
“fully night

Red dot, laser
Night vision
White light

Armament

Armament

Interservice workinggroup writing requirements papers on improving the Diemaco rifle based on new operational requirements

Red dot, laser
Night vision
White light

Armament

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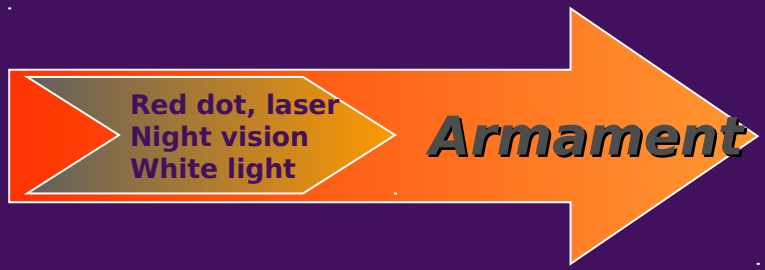
Fast Aiming Device

New sorts of operations
- enemy at a very short range in build-up area's - requires a different type of aiming device



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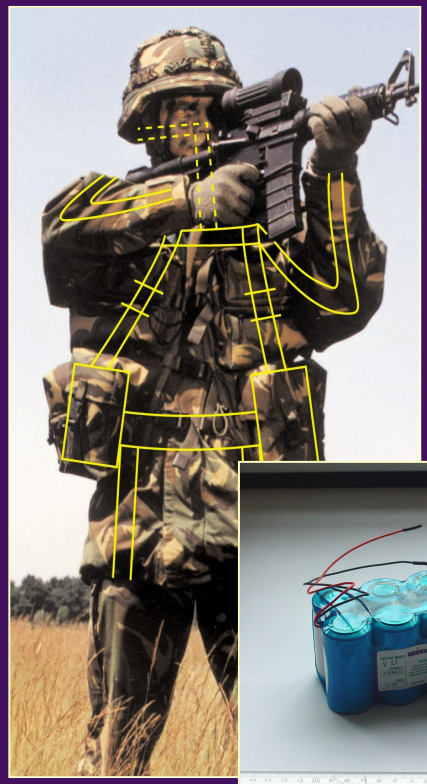
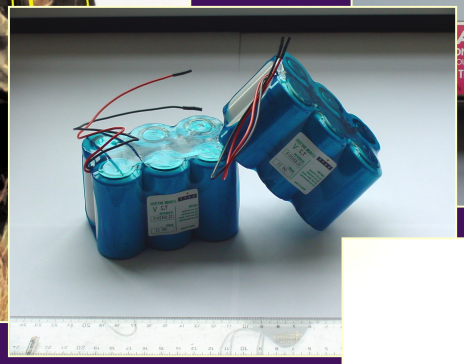
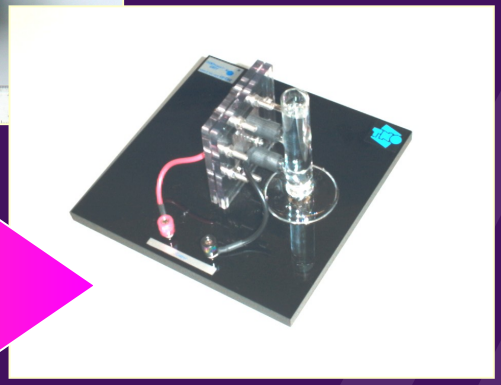
Power Sources







Batteries
Fuelcel
Food & water

Energy

"Energy"

find a solution for the soldiers energy consumption

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Closing remarks

- Commitment RNLMC and RNLAF
- Procedures and understanding
- Image problem “Toys for the boys”
- Industrial partner as Prime Contract

  System Integrator is essential
- Consequences reorganization MoD and services

Questions?

“When the smoke cleared away, it was the man with the sword, or the crossbow, or the rifle who settled the final issue on the battlefield”

Integrated Clothing

NBC
Combat clothing
Gloves

Clothing

Developing layered combat clothing with maximum ballistic and NBC protection together with maximum comfort

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Equipment

Fielding a personal modular fighting equipment

Rucksack
Combat vest
Sleepingbag

Equipment

Integrated Head Protection

In close co-operation with other countries developing an Integrated Head Protection

The possible D2S2 helmet

Rucksack
Combat vest
Sleepingbag

Equipment

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